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EXAMINER

RAMPURIA, SHARAD K

ART UNIT

PAPER NUMBER

2688

DATE MAILED: 11/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/816,401	Applicant(s) SENGUPTA ET AL.	
	Examiner Sharad Rampuria	Art Unit 2688	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 31 March 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-46 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-46 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

I. The current office-action is in response to the application filed on 3/31/04.

Accordingly, Claims 1-46 are pending for further examination as follows:

***Claim Rejections - 35 USC § 102***

II. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

III. Claims 1-5, 7-11, 13-17, 19-20, 23-25, 29-30, 33-35, 39-40 & 42-44 are rejected under 35 U.S.C. 102 (e) as being anticipated by Leifer [US 6681109]

As per claims 1, 19, Leifer teaches:

A method (Abstract) comprising:

Receiving customer information from a party including one or more customers requesting services from a service establishment; (i.e. the central station can selectively send signals to one or more of the paging devices in response to received service request criteria from the customer keypads; Col.4; 16-26)

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Generating service availability information in response to receiving the customer information; (i.e. transmit the customer request to the server, pager of the server assigned to that customer location; Col.4; 26-31) and

Providing, to a wireless service provider that provides wireless services to the device corresponding to one of the one or more customers, the service availability information. (i.e. the code will be transmitted to central station which will send the particular request to the server pager to instruct them to fulfill the request by bringing a particular item or service requested to the customer location from which the request originated; Col.4; 58-67, Col.2; 36-49, Col.5; 38-58 and Claim 1)

As per claims 2, 20, Leifer teaches:

The method of claim 1 wherein the wireless device comprises one of: a cellular telephone, a pager, a personal digital assistant (PDA), a portable computer, a global positioning system (GPS) device, a watch, and a wireless electronic mail device. (i.e. paging device; 20; Fig.1, Col.3; 59-67)

As per claims 3, 23, Leifer teaches:

The method of claim 1 wherein the service establishment comprises one of: a restaurant, a hair salon, an automobile service facility, an amusement park attraction, a spa, a bar, a club, a golf course and a bowling facility. (i.e. a restaurant; Col.2; 21-35)

As per claims 4, 24, Leifer teaches:

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The method of claim 1 wherein the customer information comprises one or more of: a number of people in the party, a service preference and a wireless identifier. (i.e. uniquely addressable device; Col.4; 16-31)

As per claims 5, 25, Leifer teaches:

The method of claim 4 wherein the wireless identifier comprises one of: a cellular telephone number, a pager number, a wireless device network address, a user identifier, a group identifier. (i.e. uniquely addressable device; Col.4; 16-31)

As per claims 7, 29, Leifer teaches:

An article comprising a computer-readable medium (i.e. a computer; Col.3; 23-34) having stored thereon instructions that, when executed, cause one or more processors to:

Receive customer information from a party including one or more customers requesting services from a service establishment; (i.e. the central station can selectively send signals to one or more of the paging devices in response to received service request criteria from the customer keypads; Col.4; 16-26)

Generate service availability information in response to receiving the customer information; (i.e. transmit the customer request to the server, pager of the server assigned to that customer location; Col.4; 26-31) and

Provide, to a wireless device corresponding to one of the one or more customer, the service availability information. (i.e. the code will be transmitted to central station which will send the particular request to the server pager to instruct them to fulfill the request by bringing a

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particular item or service requested to the customer location from which the request originated;

Col.4; 58-67, Col.2; 36-49, Col.5; 38-58 and Claim 1)

As per claims 8, 30, Leifer teaches:

The article of claims 7, 29, respectively wherein the wireless device comprises one of: a cellular telephone, a pager, a personal digital assistant (PDA), a portable computer, a global positioning system (GPS) device, a watch, and a wireless electronic mail device. (i.e. paging device; 20; Fig.1, Col.3; 59-67)

As per claims 9, 33, Leifer teaches:

The article of claims 7, 29, respectively wherein the service establishment comprises one of: a restaurant, a hair salon, an automobile service facility, an amusement park attraction, a spa, a bar, a club, a golf course and a bowling facility. (i.e. a restaurant; Col.2; 21-35)

As per claims 10, 34, Leifer teaches:

The article of claims 7, 29, respectively wherein the customer information comprises one or more of: a number of people in the party, a service preference and a wireless identifier. (i.e. uniquely addressable device; Col.4; 16-31)

As per claims 11, 35, Leifer teaches:

The article of claims 10, 33, respectively wherein the wireless identifier comprises one of: a cellular telephone number, a pager number, a wireless device network address. (i.e.

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uniquely addressable device; Col.4; 16-31)

As per claim 13, Leifer teaches:

A system (Abstract) comprising: a memory controller; a device for accessing a computer-readable medium (i.e. a computer; Col.3; 23-34) coupled with the memory controller; and an article comprising a computer-readable medium having stored thereon instructions that, when executed, cause one or more processors to receive customer information from a party including one or more customers requesting services from a service establishment, (i.e. the central station can selectively send signals to one or more of the paging devices in response to received service request criteria from the customer keypads; Col.4; 16-26)

Generate service availability information in response to receiving the customer information, (i.e. transmit the customer request to the server, pager of the server assigned to that customer location; Col.4; 26-31) and

Provide, to a wireless device corresponding to one of the one or more customer, the service availability information. (i.e. the code will be transmitted to central station which will send the particular request to the server pager to instruct them to fulfill the request by bringing a particular item or service requested to the customer location from which the request originated; Col.4; 58-67, Col.2; 36-49, Col.5; 38-58 and Claim 1)

As per claim 14, Leifer teaches:

The system of claim 13 wherein the wireless device comprises one of: a cellular telephone, a pager, a personal digital assistant (PDA), a portable computer, a global positioning

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system (GPS) device, a watch, and a wireless electronic mail device. (i.e. paging device; 20;

Fig.1; Col.3; 59-67)

As per claim 15, Leifer teaches:

The system of claim 13 wherein the service establishment comprises one of: a restaurant, a hair salon, an automobile service facility, an amusement park attraction, a spa, a bar, a club, a golf course and a bowling facility. (i.e. a restaurant; Col.2; 21-35)

As per claim 16, Leifer teaches:

The system of claim 13 wherein the customer information comprises one or more of: a number of people in the party, a service preference and a wireless identifier. (i.e. uniquely addressable device; Col.4; 16-31)

As per claim 17, Leifer teaches:

The system of claim 16 wherein the wireless identifier comprises one of: a cellular telephone number, a pager number, a wireless device network address. (i.e. uniquely addressable device; Col.4; 16-31)

As per claim 39, Leifer teaches:

A system (Abstract) comprising:

One or more substantially omnidirectional antenna(e); (i.e. radio frequency technique; Col.3; 6-22)



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A device for accessing a computer-readable medium (i.e. a computer; Col.3; 23-34) coupled with the memory controller; and a computer-readable medium having stored thereon instructions that, when executed, cause one or more processors to receive customer information corresponding to a party including one or more customers requesting services from a service establishment, (i.e. the central station can selectively send signals to one or more of the paging devices in response to received service request criteria from the customer keypads; Col.4; 16-26)

Generate service availability information in response to receiving the customer information, (i.e. transmit the customer request to the server, pager of the server assigned to that customer location; Col.4; 26-31) and

Provide, to a wireless device owned by one of the one or more customer, the service availability information. (i.e. the code will be transmitted to central station which will send the particular request to the server pager to instruct them to fulfill the request by bringing a particular item or service requested to the customer location from which the request originated; Col.4; 58-67, Col.2; 36-49, Col.5; 38-58 and Claim 1)

As per claim 40, Leifer teaches:

The system of claim 39 wherein the wireless device comprises one of: a cellular telephone, a pager, a personal digital assistant (PDA), a portable computer, a global positioning system (GPS) device, a watch, and a wireless electronic mail device. (i.e. paging device; 20; Fig.1, Col.3; 59-67)

As per claim 42, Leifer teaches:

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The system of claim 39 wherein the service establishment comprises one of: a restaurant, a hair salon, an automobile service facility, an amusement park attraction, a spa, a bar, a club, a golf course and a bowling facility. (i.e. a restaurant; Col.2; 21-35)

As per claim 43, Leifer teaches:

The system of claim 39 wherein the customer information comprises one or more of: a number of people in the party, a service preference and a wireless identifier. (i.e. uniquely addressable device; Col.4; 16-31)

As per claim 44, Leifer teaches:

The system of claim 39 wherein the wireless identifier comprises one of: a cellular telephone number, a pager number, a wireless device network address. (i.e. uniquely addressable device; Col.4; 16-31)

### *Claim Rejections - 35 USC § 103*

IV. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any

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evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

V. Claims 6, 12, 18, 21-22, 26-28, 31-32, 36-38, 41 & 45-46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Leifer in view of Richton [US 6650902].

As per claims 6, 12, 18, 26, 36, 45 Leifer teaches all the particulars of the claim except the service availability information comprises one or more of: an estimated wait time, a distance between the service establishment and the wireless device, a service status, a location of the service establishment and a location of the wireless device. However, Richton teaches in an analogous art, that the method of claims 1, 7, 13, 19, 29, 39 respectively wherein the service availability information comprises one or more of: an estimated wait time, a distance between the service establishment and the wireless device, a service status, a location of the service establishment and a location of the wireless device. (i.e. if the determined geographic relationship with the designated target will be satisfied then information retrieval will be triggered; Col.8; 58-66) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to modify Leifer including the service availability information comprises one or more of: an estimated wait time, a distance between the service establishment and the wireless device, a service status, a location of the service establishment and a location of the

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wireless device in order to provide a wireless telecommunications system that uses location or position information to forward specific information to the users.

As per claims 21, 31, 27, 37, 41, 46 Leifer teaches all the particulars of the claim except tracking a location of the wireless device; determining a travel distance between the wireless device and the service establishment; determining a time of travel corresponding to the distance between the wireless device and the service establishment; comparing the time of travel with an estimated wait time from the service availability information; and transmitting an alert message to the wireless device with the time of travel is within a pre-selected range of the estimated wait time. However, Richton teaches in an analogous art, that the method of claims 19, 29, 39, respectively further comprising: tracking a location of the wireless device; determining a travel distance between the wireless device and the service establishment; determining a time of travel corresponding to the distance between the wireless device and the service establishment; comparing the time of travel with an estimated wait time from the service availability information; and transmitting an alert message to the wireless device with the time of travel is within a pre-selected range of the estimated wait time. (i.e. if the determined geographic relationship with the designated target will be satisfied then information retrieval will be triggered; Col.8; 58-66) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to modify Leifer including tracking a location of the wireless device; determining a travel distance between the wireless device and the service establishment; determining a time of travel corresponding to the distance between the wireless device and the service establishment; comparing the time of travel with an estimated wait time from the service

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availability information; and transmitting an alert message to the wireless device with the time of travel is within a pre-selected range of the estimated wait time in order to provide a wireless telecommunications system that uses location or position information to forward specific information to the users.

As per claims 22, 28, 32, 38 Leifer teaches all the particulars of the claim except determining a time of travel corresponding to the distance between the wireless device and the service establishment comprises using an indication of traffic conditions and distance of travel to determine the time of travel. However, Richton teaches in an analogous art, that the method of claims 21, 27, 31, respectively wherein determining a time of travel corresponding to the distance between the wireless device and the service establishment comprises using an indication of traffic conditions and distance of travel to determine the time of travel. (i.e. if the determined geographic relationship with the designated target will be satisfied then information retrieval will be triggered; Col.8; 58-66) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to modify Leifer including determining a time of travel corresponding to the distance between the wireless device and the service establishment comprises using an indication of traffic conditions and distance of travel to determine the time of travel in order to provide a wireless telecommunications system that uses location or position information to forward specific information to the users.

***Conclusion***


VI. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sharad Rampuria whose telephone number is (571) 272-7870. The examiner can normally be reached on M-F. (8:15-4:45).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on (571) 272-7495. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://portal.uspto.gov/external/portal/pair>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or [EBC@uspto.gov](mailto:EBC@uspto.gov).

Sharad Rampuria  
Examiner  
Art Unit 2688

November 4, 2005

  
GEORGE ENG  
PRIMARY EXAMINER